LIST OF EXPERIMENTS

Communication SySTEMS lab

(E.CE/ CSE)

1. Introduction to Communication Lab Trainer Kits and Digital Signal Oscilloscope.
2. Generation of DSB-SC signal using Balanced Modulator for different modulation index values.
3. Calculate modulation index of DSB wave by trapezoidal pattern.
4. To study amplitude demodulation by linear diode detector.
5. Generation of SSB AM signal using two stage filter method.
6. To generate single sideband AM Reception using super heterodyne receiver.
7. (a) To generate and reconstruct a natural sampled wave and observe the effect of various sampling frequencies.

(b)To generate and reconstruct a flat top sampled wave and observe the effect of various sampling frequencies.

1. (a)To generate a FM Signal using Varactor Modulator.

(b) To generate FM Signal using Reactance Modulator.

1. (a)Detection of FM Signal using Phase Locked Loop.

(b)Detection of FM Signal using Foster Seelay Method.

1. To study the operation of a Ratio Detector.